# **Introduction**

A huge number of coding interview problems involve dealing with [Permutations](https://en.wikipedia.org/wiki/Permutation) and [Combinations](https://en.wikipedia.org/wiki/Combination) of a given set of elements. This pattern describes an efficient **Breadth First Search (BFS)** approach to handle all these problems.

Let’s jump onto our first problem to develop an understanding of this pattern.